

DATA SHEET

Stationary

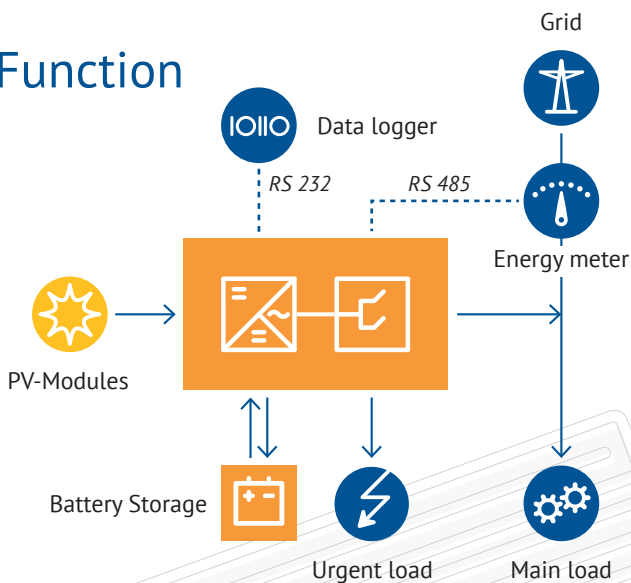
# SP IFI 3000 / 3000+ / 10 Solar Hybrid Inverter

3,000 W und 10 kW

Programmable and flexible inverter for self-consumption, battery storage or grid feed of solar energy



## Function



## Main Features

- Hybrid system for maximum self-consumption of the produced energy and maximum energy independence
- Single and three phase models available
- Integrated UPS function to power urgent loads in case of mains failure by means of the stored energy as long as possible (full load supply possible)
- Parallel operation up to 6 units for 10KW
- Visualization and user-friendly power management via Data logger Powerdog (option)
- Lithium battery solutions as standard
- VRLA also possible

# SP IFI 3000 / 3000+ / 10

Inverter Model		SP IFI 3000 / 3000+	SP IFI 10
<b>Rated Power</b>	[W]	3,000	10,000
<b>Phase</b>		1-phase in / 1-phase out	3-phase in / 3-phase out
<b>Output (AC)</b>	Nominal Output Voltage [V AC]	208 / 220 / 230 / 240	230 (P-N) / 400 (P-P)
	Output Frequency Range [Hz]	47.5 ~ 51.5 or 59.3 ~ 61.5	
	Nominal Output Current [A]	13*	14.5 per phase
	Power-Factor	0.9 lead – 0.9 lag	
<b>PV Input (DC)</b>	Maximum DC Power [W]	3,200 / 4,500	14,850
	Maximum DC Voltage [V DC]	500	900
	MPP Voltage Range [V DC]	250 ~ 450	400 ~ 800
	Maximum Input Current [A]	13 / 18	2*18.6
<b>AC Input</b>	Input Voltage Range [V AC]	170–280	170–280 per phase
	Nominal Frequency [Hz]	50 / 60	
	Input Power [VA/W]	5,100 / 5,100	10 k / 10 k
<b>Battery Charger</b>	Nominal DC Voltage[V DC]	48	
	Charging Current (max.)[A]	25	200
	Battery Discharging Current (max.) [A]	92	275
<b>Efficiency</b>	Efficiency DC-AC (max.) [%]	96	96
	Battery Mode DC-AC [%]	93	91
<b>Physicals</b>	Dimension (DxWxH) [mm]	117 x 438 x 480	167.5 x 500 x 622
	Net Weights [kg]	15.5	45
<b>Communication</b>	Communication Port	RS-232 / USB	
	Intelligent Slot	SNMP, Modbus	
	Software	SolarPower (local), SolarPower Pro (remote)	
<b>Conformity</b>	Protection Class	IP 20	
	Standard	VDE-AR-N 4105	
<b>Environment</b>	Humidity [%]	0 ~ 90 RH (no condensing)	
	Operating Temperature [°C]	0 ~ 40	-10 ~ 55
	Altitude [m]	0 ~ 1,000**	

System Configuration (Recommendation)		SP IFI 3000 / 3000+	SP IFI 10	
<b>Battery</b>	<b>Supplier</b>	<b>Pylontech</b>	<b>Pylontech</b>	<b>AutarcTech</b>
	Type	LiFePO4	LiFePO4	LiFEMnPO4
	Nominal Capacity [kWh]	2.4	2.4	11.2 / 22.4
	DOD [%]	80	80	80
	Cycles	4,000	4,000	6,000
	Efficiency [%]	92 – 95	92 – 95	92 – 95
	Scalability	1 / 2	1 / 2 / 3 / 4	on demand
<b>Energy-Management-System</b>	Product	PowerDog by ecodata		

\* These figures may vary depending on different AC voltage. \*\* Power derating 1% every 100m when altitude is over 1000m.

Product specifications are subject to change without further notification.

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